



**United States Environmental Protection Agency
Region 9 Laboratory**

**1337 S. 46th Street Building 201
Richmond, CA 94804**

Date: 2/22/2012

Subject: Analytical Testing Results - Project R33911
SDG: 12046B

From: Brenda Bettencourt, Director
EPA Region 9 Laboratory
MTS-2

To: Richard Fetzer
US EPA Region 3, Eastern Response Branch
3HS31

Attached are the results from the analysis of samples from the **Dimock Residential Groundwater** project. These data have been reviewed in accordance with EPA Region 9 Laboratory policy.

A full documentation package for these data, including raw data and sample custody documentation, is on file at the EPA Region 9 Laboratory. If you would like to request additional review and/or validation of the data, please contact Eugenia McNaughton at the Region 9 Quality Assurance Office.

If you have any questions, please ask for Richard Bauer, the Lab Project Manager at (510)412-2300.

Analyses included in this report:

Purgeable Petroleum Hydrocarbons by GC/FID



United States Environmental Protection Agency
Region 9 Laboratory

1337 S. 46th Street, Building 201, Richmond, CA 94804
Phone:(510) 412-2300 Fax:(510) 412-2302

Project Manager: Richard Fetzner

Project Number: R33911

Project: Dimock Residential Groundwater

US EPA Region 3, Eastern Response Branch

100 Gypsum Road

Stroudsburg PA, 18360

SDG: 12046B

Reported: 02/22/12 15:28

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Collected	Date Received
HW11-P	1202038-01	Water	02/13/12 15:22	02/15/12 09:45
HW53	1202038-02	Water	02/13/12 14:57	02/15/12 09:45
HW53-P	1202038-03	Water	02/13/12 15:17	02/15/12 09:45
TB42	1202038-04	Water	02/13/12 10:50	02/15/12 09:45
FB17	1202038-05	Water	02/14/12 09:09	02/15/12 09:45
HW57-P	1202038-06	Water	02/14/12 10:31	02/15/12 09:45
HW59	1202038-07	Water	02/14/12 10:33	02/15/12 09:45
TB44	1202038-08	Water	02/14/12 07:05	02/15/12 09:45
HW11	1202038-09	Water	02/13/12 15:05	02/15/12 09:45
TB43	1202038-10	Water	02/13/12 10:55	02/15/12 09:45
HW27	1202038-12	Water	02/13/12 10:37	02/15/12 09:45
HW27z	1202038-13	Water	02/13/12 10:38	02/15/12 09:45
TB40	1202038-14	Water	02/13/12 07:15	02/15/12 09:45
HW03	1202038-15	Water	02/14/12 15:18	02/15/12 09:45
HW03z	1202038-16	Water	02/14/12 15:19	02/15/12 09:45
TB46	1202038-17	Water	02/14/12 09:15	02/15/12 09:45
HW55	1202038-18	Water	02/13/12 10:21	02/15/12 09:45
TB41	1202038-19	Water	02/13/12 07:20	02/15/12 09:45
HW57	1202038-20	Water	02/14/12 10:07	02/15/12 09:45
TB45	1202038-21	Water	02/14/12 07:10	02/15/12 09:45
HW58	1202038-22	Water	02/14/12 14:47	02/15/12 09:45
TB47	1202038-23	Water	02/14/12 09:20	02/15/12 09:45

SDG ID 12046B

Work Order(s)

1202038



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Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID: 1202038-01						Water - Sampled: 02/13/12 15:22			
Sample ID: HW11-P						Purgeable Petroleum Hydrocarbons by EPA Method 8015C			
TPH as Gasoline		ND	U	50	ug/L	B2B0075	02/15/12	02/15/12	8015C/SOP380
<i>Surrogate: a,a,a-Trifluorotoluene</i>			110 %	76-121%		"	"	"	
Lab ID: 1202038-02						Water - Sampled: 02/13/12 14:57			
Sample ID: HW53						Purgeable Petroleum Hydrocarbons by EPA Method 8015C			
TPH as Gasoline		ND	U	50	ug/L	B2B0075	02/15/12	02/15/12	8015C/SOP380
<i>Surrogate: a,a,a-Trifluorotoluene</i>			109 %	76-121%		"	"	"	
Lab ID: 1202038-03						Water - Sampled: 02/13/12 15:17			
Sample ID: HW53-P						Purgeable Petroleum Hydrocarbons by EPA Method 8015C			
TPH as Gasoline		ND	U	50	ug/L	B2B0075	02/15/12	02/15/12	8015C/SOP380
<i>Surrogate: a,a,a-Trifluorotoluene</i>			112 %	76-121%		"	"	"	
Lab ID: 1202038-04						Water - Sampled: 02/13/12 10:50			
Sample ID: TB42						Purgeable Petroleum Hydrocarbons by EPA Method 8015C			
TPH as Gasoline		ND	U	50	ug/L	B2B0075	02/15/12	02/15/12	8015C/SOP380
<i>Surrogate: a,a,a-Trifluorotoluene</i>			112 %	76-121%		"	"	"	
Lab ID: 1202038-05						Water - Sampled: 02/14/12 09:09			
Sample ID: FB17						Purgeable Petroleum Hydrocarbons by EPA Method 8015C			
TPH as Gasoline		ND	U	50	ug/L	B2B0075	02/15/12	02/15/12	8015C/SOP380
<i>Surrogate: a,a,a-Trifluorotoluene</i>			114 %	76-121%		"	"	"	
Lab ID: 1202038-06						Water - Sampled: 02/14/12 10:31			
Sample ID: HW57-P						Purgeable Petroleum Hydrocarbons by EPA Method 8015C			
TPH as Gasoline		ND	U	50	ug/L	B2B0075	02/15/12	02/15/12	8015C/SOP380
<i>Surrogate: a,a,a-Trifluorotoluene</i>			114 %	76-121%		"	"	"	
Lab ID: 1202038-07						Water - Sampled: 02/14/12 10:33			
Sample ID: HW59						Purgeable Petroleum Hydrocarbons by EPA Method 8015C			
TPH as Gasoline		ND	U	50	ug/L	B2B0075	02/15/12	02/15/12	8015C/SOP380
<i>Surrogate: a,a,a-Trifluorotoluene</i>			113 %	76-121%		"	"	"	
Lab ID: 1202038-08						Water - Sampled: 02/14/12 07:05			
Sample ID: TB44						Purgeable Petroleum Hydrocarbons by EPA Method 8015C			
TPH as Gasoline		ND	U	50	ug/L	B2B0075	02/15/12	02/15/12	8015C/SOP380
<i>Surrogate: a,a,a-Trifluorotoluene</i>			109 %	76-121%		"	"	"	
Lab ID: 1202038-09						Water - Sampled: 02/13/12 15:05			
Sample ID: HW11						Purgeable Petroleum Hydrocarbons by EPA Method 8015C			
TPH as Gasoline		ND	U	50	ug/L	B2B0075	02/15/12	02/15/12	8015C/SOP380



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Project: Dimock Residential Groundwater

US EPA Region 3, Eastern Response Branch
100 Gypsum Road
Stroudsburg PA, 18360

SDG: 12046B
Reported: 02/22/12 15:28

Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID: 1202038-09						Water - Sampled: 02/13/12 15:05			
Sample ID: HW11						Purgeable Petroleum Hydrocarbons by EPA Method 8015C			
Surrogate: a,a,a-Trifluorotoluene		112 %		76-121%		B2B0075	02/15/12	02/15/12	
Lab ID: 1202038-10						Water - Sampled: 02/13/12 10:55			
Sample ID: TB43						Purgeable Petroleum Hydrocarbons by EPA Method 8015C			
TPH as Gasoline		ND	U	50	ug/L	B2B0075	02/15/12	02/15/12	8015C/SOP380
Surrogate: a,a,a-Trifluorotoluene		114 %		76-121%		"	"	"	
Lab ID: 1202038-12						Water - Sampled: 02/13/12 10:37			
Sample ID: HW27						Purgeable Petroleum Hydrocarbons by EPA Method 8015C			
TPH as Gasoline		ND	U	50	ug/L	B2B0075	02/15/12	02/15/12	8015C/SOP380
Surrogate: a,a,a-Trifluorotoluene		111 %		76-121%		"	"	"	
Lab ID: 1202038-13						Water - Sampled: 02/13/12 10:38			
Sample ID: HW27z						Purgeable Petroleum Hydrocarbons by EPA Method 8015C			
TPH as Gasoline		ND	U	50	ug/L	B2B0075	02/15/12	02/15/12	8015C/SOP380
Surrogate: a,a,a-Trifluorotoluene		111 %		76-121%		"	"	"	
Lab ID: 1202038-14						Water - Sampled: 02/13/12 07:15			
Sample ID: TB40						Purgeable Petroleum Hydrocarbons by EPA Method 8015C			
TPH as Gasoline		ND	U	50	ug/L	B2B0075	02/15/12	02/16/12	8015C/SOP380
Surrogate: a,a,a-Trifluorotoluene		112 %		76-121%		"	"	"	
Lab ID: 1202038-15						Water - Sampled: 02/14/12 15:18			
Sample ID: HW03						Purgeable Petroleum Hydrocarbons by EPA Method 8015C			
TPH as Gasoline		ND	U	50	ug/L	B2B0075	02/15/12	02/16/12	8015C/SOP380
Surrogate: a,a,a-Trifluorotoluene		111 %		76-121%		"	"	"	
Lab ID: 1202038-16						Water - Sampled: 02/14/12 15:19			
Sample ID: HW03z						Purgeable Petroleum Hydrocarbons by EPA Method 8015C			
TPH as Gasoline		ND	U	50	ug/L	B2B0075	02/15/12	02/16/12	8015C/SOP380
Surrogate: a,a,a-Trifluorotoluene		108 %		76-121%		"	"	"	
Lab ID: 1202038-17						Water - Sampled: 02/14/12 09:15			
Sample ID: TB46						Purgeable Petroleum Hydrocarbons by EPA Method 8015C			
TPH as Gasoline		ND	U	50	ug/L	B2B0075	02/15/12	02/16/12	8015C/SOP380
Surrogate: a,a,a-Trifluorotoluene		110 %		76-121%		"	"	"	
Lab ID: 1202038-18						Water - Sampled: 02/13/12 10:21			
Sample ID: HW55						Purgeable Petroleum Hydrocarbons by EPA Method 8015C			
TPH as Gasoline		ND	J, Q6, U	50	ug/L	B2B0075	02/15/12	02/15/12	8015C/SOP380
Surrogate: a,a,a-Trifluorotoluene		112 %		76-121%		"	"	"	
Lab ID: 1202038-19						Water - Sampled: 02/13/12 07:20			



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Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID: 1202038-19						Water - Sampled: 02/13/12 07:20			
Sample ID: TB41						Purgeable Petroleum Hydrocarbons by EPA Method 8015C			
TPH as Gasoline		ND	U	50	ug/L	B2B0075	02/15/12	02/16/12	8015C/SOP380
<i>Surrogate: a,a,a-Trifluorotoluene</i>			113 %	76-121%		"	"	"	
Lab ID: 1202038-20						Water - Sampled: 02/14/12 10:07			
Sample ID: HW57						Purgeable Petroleum Hydrocarbons by EPA Method 8015C			
TPH as Gasoline		ND	U	50	ug/L	B2B0075	02/15/12	02/16/12	8015C/SOP380
<i>Surrogate: a,a,a-Trifluorotoluene</i>			114 %	76-121%		"	"	"	
Lab ID: 1202038-21						Water - Sampled: 02/14/12 07:10			
Sample ID: TB45						Purgeable Petroleum Hydrocarbons by EPA Method 8015C			
TPH as Gasoline		ND	U	50	ug/L	B2B0075	02/15/12	02/16/12	8015C/SOP380
<i>Surrogate: a,a,a-Trifluorotoluene</i>			112 %	76-121%		"	"	"	
Lab ID: 1202038-22						Water - Sampled: 02/14/12 14:47			
Sample ID: HW58						Purgeable Petroleum Hydrocarbons by EPA Method 8015C			
TPH as Gasoline		ND	U	50	ug/L	B2B0075	02/15/12	02/16/12	8015C/SOP380
<i>Surrogate: a,a,a-Trifluorotoluene</i>			114 %	76-121%		"	"	"	
Lab ID: 1202038-23						Water - Sampled: 02/14/12 09:20			
Sample ID: TB47						Purgeable Petroleum Hydrocarbons by EPA Method 8015C			
TPH as Gasoline		ND	U	50	ug/L	B2B0075	02/15/12	02/16/12	8015C/SOP380
<i>Surrogate: a,a,a-Trifluorotoluene</i>			114 %	76-121%		"	"	"	



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Quality Control

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch B2B0075 - 5030 P&T TPH-G - TPH - Purgeable						Prepared & Analyzed: 02/15/12				
Purgeable Petroleum Hydrocarbons by EPA Method 8015C - Quality Control										
Blank (B2B0075-BLK1)										
TPH as Gasoline	ND	U		50 ug/L						
Surrogate: a,a,a-Trifluorotoluene		140		"	125		112	76-121		
Blank (B2B0075-BLK2)										
TPH as Gasoline	ND	U		50 ug/L						
Surrogate: a,a,a-Trifluorotoluene		143		"	125		114	76-121		
LCS (B2B0075-BS1)										
TPH as Gasoline	482			50 ug/L	500		96	75-114		200
Surrogate: a,a,a-Trifluorotoluene		143		"	125		115	76-121		
LCS (B2B0075-BS2)										
TPH as Gasoline	505			50 ug/L	500		101	75-114		200
Surrogate: a,a,a-Trifluorotoluene		143		"	125		115	76-121		
Matrix Spike (B2B0075-MS1)										
		Source: 1202038-18								
TPH as Gasoline	474			50 ug/L	500	ND	95	71-114		11
Surrogate: a,a,a-Trifluorotoluene		139		"	125		112	76-121		
Matrix Spike (B2B0075-MS2)										
		Source: 1202038-20								
TPH as Gasoline	454			50 ug/L	500	ND	91	71-114		11
Surrogate: a,a,a-Trifluorotoluene		141		"	125		112	76-121		
Matrix Spike Dup (B2B0075-MSD1)										
		Source: 1202038-18								
TPH as Gasoline	533			50 ug/L	500	ND	107	71-114	12	11
Surrogate: a,a,a-Trifluorotoluene		140		"	125		112	76-121		
Matrix Spike Dup (B2B0075-MSD2)										
		Source: 1202038-20								
TPH as Gasoline	503			50 ug/L	500	ND	101	71-114	10	11
Surrogate: a,a,a-Trifluorotoluene		142		"	125		113	76-121		



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Qualifiers and Comments

Q6 Matrix spike/matrix spike duplicate precision criteria were not met for this analyte (see MS/MSD results for this batch in QC summary).

J The reported result for this analyte should be considered an estimated value.

U Not Detected

NR Not Reported

RE1, RE2, etc: Result is from a sample re-analysis.